

### PRODUCT CODE: C410035

PERFORMANCE NEUTRAL SPRAY GELCOAT is a highly durable ,tintable product based on a high quality Ortho-NPG unsaturated polyester resin.

### FEATURES

- Readily Tintable
- Excellent atomisation and general spraying characteristics
- Excellent flow/levelling properties
- Rapid air release
- Highly resistant to pre-release
- Good sag resistance
- Highly resistant to triping /wrinkling
- Excellent weathering resistance
- High gloss retention
- High degree of flexibility and toughness

### BENEFITS

- Easy to apply with industry standard spray equipment
- Easier to control film thickness
- Minimises air entrapment
- Improved part quality
- Provides a more consistent film thickness
- Increased tolerance to application variability
- Improved article longevity
- Superior appearance of article during its service life
- Improved resilience thus reducing the occurrence of cracking
- Excellent atomisation and general spraying characteristics

### SUGGESTED USE

This product is design for use in all general purpose manufacturing where a high quality spray grade is required. For pool applications **Aquaguard Pool Neutral Spray Gelcoat** should be used.

### RECOMMENDED CATALYSTS

- 2% MEKP Butanox M50
- 2% MEKP Curox M200
- 2% MEKP Norox 9

### APPLICATION GUIDELINES

Plan a course of action prior to starting. Ensure the gelcoat has been properly stirred prior to using. Position the correctly prepared and cleaned mould for easy access. Trigger the gun off the job. Apply the gelcoat evenly with overlapping strokes and to the correct thickness. This should ideally be achieved in 3 passes. Always use a wet film thickness gauge to measure an even coverage of 24 to 30 thou (approx. 0.6 to 0.75mm) .

#### Remember the following points:

- Application Temperature Range: 15-30°C
- Catalyst Level (MEKP; 9% Active Oxygen) 1.5 -2.5 % v/w
- Film thickness (wet) 0.60 – 0.75mm (24 - 30 thou)

### TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUES	TEST DETAILS
Appearance	Pink-Brown Opaque liquid	Visual
Viscosity	22000 - 25000 cP	Brookfield RVF 4/4 @ 25°C
C&P Viscosity Summer	290 – 320 cP	@ 23°C
C&P Viscosity Winter	260 - 290 cP	@ 23°C
Gel Time - Summer	10 - 14 min	Using 2.0% NR 20 @ 23°C
Gel Time - Winter	6 - 10 min	Using 2.0% NR 20 @ 23°C
Density	1.1g/cm3	@25°C
Flash Point	31°C	Setaflash
Shelf Life	4 months	When stored correctly

### TYPICAL CAST PROPERTIES - Fully Postcured

PROPERTY	TYPICAL VALUE	TEST DETAILS
Hardness	40 - 45	Barcol 934
Density	1.16 g/cm3	ISO R1183
Volume Shrinkage	7 - 8 %	ISO 3521
Flexural Strength	110 MPa	ISO 178
Heat Distortion Temperature	80 - 85°C	ISO 75 (1.8 MPa load)

### STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, polyester resins & gelcoats should be stored in closed containers, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored resin quantities should be kept to a reasonable minimum and used on a first in/first out stock rotation basis. Prolonged storage, or unfavourable storing conditions, may cause separation, therefore agitation of the product before use is recommended.

### STANDARD PACKAGING

Mild steel drums (225kg)

Always refer to the MSDS before use